

Datasheet for ABIN7551104

PSMD4/ASF Protein (AA 1-377) (His tag)



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Overview

Quantity:	1 mg
Target:	PSMD4/ASF (Psm4)
Protein Characteristics:	AA 1-377
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PSMD4/ASF protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant PSMD4 Protein expressed in mammalian cells.
Sequence:	<p>MVLESTMVCV DNSEYMRNGD FLPTRLQAQQ DAVNIVCHSK TRSNPENNVG LITLANDCEV LTTLPDTGR ILSKLHTVQP KGKITFCTGI RVAHLALKHR QGKNHKMR II AFVGSPVEDN EKDLVLAKR LKKEKVNVDI INFGEDEVNT EKLTAFTVNTL NGKDGTSGL VTPPGPSLA DALISSPILA GEGGAMLGLG ASDFEFGVDP SADPELALAL RVSMEEQRR QEEEARAAA ASAAEAGIAT TGTEDSDDAL LKMTISQEF GRTGLPDLSS MTEEEQIAYA MQMSLQGAEF GQAESADIDA SSAMDTSEPA KEEDDYDMQ DPEFLQSVLE NLPGVDPNNE AIRNAMGSLA SQATKDGKKD KKEEDKK Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	PSMD4/ASF (Psm�4)
Alternative Name:	PSMD4 (Psm�4 Products)
Background:	<p>26S proteasome non-ATPase regulatory subunit 4 (26S proteasome regulatory subunit RPN10) (26S proteasome regulatory subunit S5A) (Antisecretory factor 1) (AF) (ASF) (Multiubiquitin chain-binding protein),FUNCTION: Component of the 26S proteasome, a multiprotein complex involved in the ATP-dependent degradation of ubiquitinated proteins. This complex plays a key role in the maintenance of protein homeostasis by removing misfolded or damaged proteins, which could impair cellular functions, and by removing proteins whose functions are no longer required. Therefore, the proteasome participates in numerous cellular processes, including cell cycle progression, apoptosis, or DNA damage repair. PSMD4 acts as an ubiquitin receptor subunit through ubiquitin-interacting motifs and selects ubiquitin-conjugates for destruction. Displays a preferred selectivity for longer polyubiquitin chains. {ECO:0000269 PubMed:1317798, ECO:0000269 PubMed:15826667}.</p>
Molecular Weight:	40.7 kDa
UniProt:	P55036

Target Details

Pathways: [Mitotic G1-G1/S Phases, DNA Replication, Synthesis of DNA, Ubiquitin Proteasome Pathway](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months